

#### ABSTRACT OF THE DISCLOSURE

A brake disk for a rail vehicle includes a hub and at least one friction ring having radial grooves. The friction disk is fastened by a clamping bolt to the hub. Also included are sliding elements having a shank and the sliding elements are connected to the hub. The sliding elements engage in the radial grooves for anti-rotation locking and centering of the at least one friction ring. The sliding elements extend parallel to an axis of the clamping bolt.